WHAT IS CLAIMED IS:

1	A liquid jetting head, comprising:
2	a first substrate, which defines a plurality of pressure generating
3	chambers, the first substrate including a vibration plate which forms a first
4	surface of the first substrate, and formed with a first through hole;
5	a plurality of piezoelectric elements, each provided on the vibration
6	plate so as to associate with one of the pressure generating chambers, each
7	piezoelectric element comprised of an upper electrode, a lower electrode and a
8	piezoelectric layer provided between the upper electrode and the lower
9	electrode;
10	a second substrate, bonded onto at least the first surface of the first
11	substrate, the second substrate formed with a second through hole
12	communicated with the first through hole;
13	a communicating portion, at which the first through hole and the
14	second through hole are connected; and
15	a laminated film, including a coating layer comprised of a resin
16	material, the laminated film provided on an inner wall face of the
17	communicating portion.
1	2. The liquid jetting head as set forth in claim 1, wherein the first through
2	hole, the second through hole and the communicating portion serve as a
3	reservoir which is a liquid chamber common to the pressure generating
4	chambers.

- 1 3. The liquid jetting head as set forth in claim 2, wherein the laminated
- 2 film is covered with a protective film comprised of a resin material.
- 1 4. The liquid jetting head as set forth in claim 1, wherein the first through
- 2 hole, the second through hole and the communicating portion are serve as a
- 3 positioning member.
- 1 5. The liquid jetting head as set forth in claim 1, wherein the laminated
- 2 film is formed on an outer peripheral face of a bonding surface of the first
- 3 substrate and the second substrate.
- 1 6. The liquid jetting head as set forth in claim 1, wherein the coating
- 2 layer is comprised of an adhesive agent bonding the first substrate and the
- 3 second substrate.
- 1 7. The liquid jetting head as set forth in claim 1, wherein the coating
- 2 layer is comprised of at least one of an epoxy-based resin, an acrylic-based
- resin, a urethane-based resin and a silicone-based resin.
- 1 8. The liquid jetting head as set forth in claim 1, wherein the laminated
- 2 film includes a part of layers forming the piezoelectric elements.
- 1 9. The liquid jetting head as set forth in claim 1, wherein:
- 2 the first substrate is comprised of a silicon monocrystalline substrate;
- 3 the pressure chambers and the first through hole are formed by

4 etching process; and

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the upper electrode, the lower electrode and the piezoelectric layer are formed by at least one of the film-forming process or a lithographic process.

- 1 10. The liquid jetting head as set forth in claim 9, wherein a layer forming 2 the laminated film which is the closest to the first substrate is comprised of an 3 etching-resistant material.
- 1 11. An liquid jetting apparatus, comprising the liquid jetting head as set forth in any one of claims 1 to 10.
- 1 12. A method of manufacturing an liquid jetting head, comprising the steps of:

providing a first substrate, which defines a plurality of pressure generating chambers, the first substrate including a vibration plate which forms a first surface of the first substrate, and formed with a first through hole;

forming a plurality of piezoelectric elements on the vibration plate so as to associate with one of the pressure generating chambers, each piezoelectric element comprised of an upper electrode, a lower electrode and a piezoelectric layer provided between the upper electrode and the lower electrode;

providing a second substrate formed with a second through hole;

bonding the second substrate onto the first surface of the first substrate with an adhesive agent, while forming a coating layer comprised of a

resin material on an inner wall face of a region at which the first through hole and the second through hole are to be connected; and

forming a communicating portion at which the first through hole and the second through hole are connected.

- 1 13. The manufacturing method as set forth in claim 12, wherein the
- 2 adhesive agent is extended so as to protruded from the inner wall face to form
- 3 the coating layer.
- 1 14. The manufacturing method as set forth in claim 12, wherein the
- 2 communicating portion is formed by a mechanical processing.
- 1 15. The manufacturing method as set forth in claim 12, wherein the
- 2 communicating portion is formed by a laser processing.
- 1 16. The manufacturing method as set forth in claim 12, further comprising
- the step of bonding a nozzle plate on a second surface of the first substrate
- 3 opposing to the first surface, the nozzle plate formed with a plurality of nozzle
- 4 orifices each communicated with one of the pressure generating chambers,
- 5 wherein the bonding step of the nozzle plate is performed before the
- 6 forming step of the communicating portion.
- 1 17. The manufacturing method as set forth in claim 12, wherein:
- 2 the steps are performed with respect to a wafer in which a plurality of
- 3 first substrates are integrally formed; and

- the respective first substrates are divided after the forming step of the communicating portion.
- 1 18. The manufacturing method as set forth in claim 17, wherein the coating layer is formed on an outer peripheral face of a bonding surface of
- 3 each first substrate and an associated second substrate.
- 1 19. The manufacturing method as set forth in claim 12, wherein:
- the pressure chambers and the first through hole are formed by etching a silicon monocrystalline substrate; and
- the upper electrode, the lower electrode and the piezoelectric layer are formed by at least one of the film-forming process or a lithographic process.
- 1 20. The manufacturing method as set forth in claim 12, further comprising
- 2 the step of covering the coating layer with a protective layer comprised of a
- 3 resin material.